PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 01-836-A	FOR FURTHER ACTION	see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.				
International application No.	International filing dat	e (day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/US02/31411	03 OCTOBER 2002		os DECEMBER 2001			
Applicant SPRINT SPECTRUM, L.P.						
This international search report has bee according to Article 18. A copy is bein This international search report consis	g transmitted to the Inte ts of a total of 5 shee	rnational Bureau. ts.	thority and is transmitted to the applicant			
Basis of the report With regard to the language, the language in which it was filed			basis of the international application in the			
			ne international application furnished to this			
b. With regard to any nucleotide was carried out on the basis of		ce disclosed in the in	nternational application, the international search			
contained in the internation	contained in the international application in written form.					
filed together with the inte	rnational application in co	omputer readable for	rm.			
furnished subsequently to the	furnished subsequently to this Authority in written form.					
furnished subsequently to the						
the statement that the subs	equently furnished writte	n sequence listing d	loes not go beyond the disclosure in			
the statement that the information furnished.	the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.					
2. Certain claims were found	Certain claims were found unsearchable (See Box I).					
3. Unity of invention is tacking (See Box II).						
4. With regard to the title,						
X the text is approved as sub	mitted by the applicant.		•			
the text has been established	ed by this Authority to re	ad as follows:				
5. With regard to the abstract,			•			
the text is approved as sub	mitted by the applicant.					
x the text has been establishe Box III. The applicant may, search report, submit comm	within one month from th					
6. The figure of the drawings to be p	ublished with the abstrac	t is Figure No. 1				
as suggested by the applica	ınt.		None of the figures.			
X because the applicant failed	to suggest a figure.					
because this figure better c	haracterizes the invention	1.				

Form PCT/ISA/210 (first sheet) (July 1998)*

International application No.
PCT/US02/31411

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)				
This international report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:				
2. Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)				
This International Searching Authority found multiple inventions in this international application, as follows:				
1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.				
As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos				
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on Protest The additional search fees were accompanied by the applicant's protest.				
No protest accompanied the payment of additional search fees.				

Form PCT/ISA/210 (continuation of first sheet(1)) (July 1998)*

International application No. PCT/US02/81411

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

NEW ABSTRACT

A mechanism is disclosed for controlling capacity in a communication system (12), based on zones (16) in which subscribers (A) are located. When a subscriber seeks to establish a communication session amoung multiple subscribers, a determination is made as to whether more than a threshold number of the subscribers are located in a common zone. If so, the excess subscribers in that zone are excluded from participating in the session.

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)*

International application No. PCT/US02/51411

	SSIFICATION OF SUBJECT MATTER					
IPC(7) : H0+B 7/00; H0+Q 7/20						
US CL :455/518, 519 According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIEL	DS SEARCHED					
Minimum d	ocumentation searched (classification system follower	d by classification symbols)				
U.S. : 4	455/518, 519, 414, 450, 451, 452, 45 3					
Documentat searched	ion searched other than minimum documentation to	o the extent that such documents are i	ncluded in the fields			
Electronic d	lata base consulted during the international search (r	name of data base and, where practicable	e, search terms used)			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		· · · · · · · · · · · · · · · · · · ·			
1						
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.			
X US 5,850,611 A (KREBS) 15 December 1998, col 5 line 9-col 6 line 2, col 7 line 63-col 8 line 44		1-11,14-20, 23-32				
Y	2, 601 / 11110 03 001 0 11110 11		12,13,21,22			
A,E	US 6,490,452 B1 (BOSCOVIC et al) 03 December 2002, col 4 line 62-col 5 line 67.		1-32			
Y	US 6,032,051 A (HALL et al) 29 February 2000, col 3 lines 4-54		12,13			
Y	US 4,870,408 A (ZDUNEK et al) 26 September 1989, col 3 line 60-col 4 line 7		21,22			
A,P	US 6,381,467 B1 (HILL et al) 30 April 2002, see entire document		1-32			
	·	•	·			
X Further documents are listed in the continuation of Box C. See patent family annex.						
Special categories of cited documents: "T" later document published after the international filling date or priority date and not in conflict with the application but cited to understand to be of particular relevance "A" document defining the general state of the art which is not considered to be of particular relevance						
"E" earlier document published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is "L" document which may throw doubts on priority claim(s) or which is		e claimed invention cannot be red to involve an inventive step				
cited to establish the publication date of another citation or other special reason (as specified) considered to involve an inventive step		when the document is combined				
document referring to an oral disclosure, use, exhibition or other with one or more other such documents, such combination being obvious to a person skilled in the art "P" document published prior to the international filing date but later "2" document member of the same patent family						
Date of the actual completion of the international search Date of mailing of the international search report						
07 DECE		04 MAR 2003				
	nailing address of the ISA/US ner of Patents and Trademarks	Authorized officer	10/1/1			
Washington, D.C. 20231		I	WWW - I/UMA			
Facsimile No. (703) 305-3230 Telephone No. (703) 305-325						

Form PCT/ISA/210 (second sheet) (July 1998)#

International application No. PCT/US02/51411

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No. 1-32 1-32
`	US 5,442,809 A (DIAZ et al) 15 August 1995, see entire document	
<u>.</u>	US 6,119,017 A (CASSIDY et al) 12 Spetember 2000, col 4 lines 3-65	
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Form PCT/ISA/210 (continuation of second sheet) (July 1998)*